

***IN THE UNITED STATES PATENT AND TRADEMARK OFFICE***

Applicant: GRIESBECK et al.  
Title: GENETICALLY ENCODED BIOINDICATORS OF CALCIUM-IONS  
Appl. No.: 10/567,091  
International Filing Date: 8/4/2004  
371(c) Date: 3/7/2008  
Examiner: LONG, Scott  
Art Unit: 1633  
Confirmation Number: 4598

**AMENDMENT AND REPLY UNDER 37 CFR 1.111**

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

This communication is responsive to the Non-Final Office Action dated December 29, 2010, concerning the above-referenced patent application. By virtue of the accompanying Petition for Extension of Time and payment of the prescribed fees, this response is timely filed on or before April 29, 2011.

**Amendments to the Claims** are reflected in the listing of claims which begins on page 2 of this document.

**Remarks/Arguments** begin on page 8 of this document.